

RAW SEQUENCE LISTING

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Application Serial Number: 10/799, 417 A
Source: JFW16
Date Processed by STIC: 10/12/2005

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IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/799,417A

DATE: 10/12/2005

TIME: 11:25:33

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3 <110> APPLICANT: KRIEG, PAUL A.
5 <120> TITLE OF INVENTION: METHODS FOR MODULATING ANGIOGENESIS WITH APELIN
6 COMPOSITIONS
8 <130> FILE REFERENCE: 20825-0004
10 <140> CURRENT APPLICATION NUMBER: 10/799,417A
11 <141> CURRENT FILING DATE: 2004-03-12
13 <150> PRIOR APPLICATION NUMBER: 60/454,034
14 <151> PRIOR FILING DATE: 2003-03-12
16 <150> PRIOR APPLICATION NUMBER: 60/528,155
17 <151> PRIOR FILING DATE: 2003-12-09
19 <160> NUMBER OF SEQ ID NOS: 21
21 <170> SOFTWARE: PatentIn Ver. 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 77
25 <212> TYPE: PRT
26 <213> ORGANISM: Homo sapiens
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30 1 5 10 15
32 Leu Thr Ala Val Cys Gly Gly Ser Leu Met Pro Leu Pro Asp Gly Asn
33 20 25 30
35 Gly Leu Glu Asp Gly Asn Val Arg His Leu Val Gln Pro Arg Gly Ser
36 35 40 45
38 Arg Asn Gly Pro Gly Pro Trp Gln Gly Gly Arg Arg Lys Phe Arg Arg
39 50 55 60
41 Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro Phe
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46 <211> LENGTH: 36
47 <212> TYPE: PRT
48 <213> ORGANISM: Homo sapiens
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54 Gly Arg Arg Lys Phe Arg Arg Gln Arg Pro Arg Leu Ser His Lys Gly
55 20 25 30
57 Pro Met Pro Phe
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61 <210> SEQ ID NO: 3
62 <211> LENGTH: 17
63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapiens
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67 Lys Phe Arg Arg Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro
68 1 5 10 15
70 Phe
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 13
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
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80 1 5 10
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 13
85 <212> TYPE: PRT
86 <213> ORGANISM: Brachydanio rerio
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90 1 5 10
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96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
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103 gtgcccaaag tctgagattc atgtt 25
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109 <213> ORGANISM: Artificial Sequence
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113 primer
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122 <213> ORGANISM: Artificial Sequence
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125 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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129 gattgatctt tgttgtgcct cagtg 25
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133 <211> LENGTH: 25
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
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138 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
139 oligonucleotide
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176 <400> SEQUENCE: 12
177 gagacgtgga 10
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183 <213> ORGANISM: Artificial Sequence
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186 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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207 <211> LENGTH: 12
208 <212> TYPE: DNA

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 234 <212> TYPE: PRT
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 237 <400> SEQUENCE: 17
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 239 1 5 10 15
 241 Ser Glu Cys Glu Tyr Thr Asp Trp Lys Ser Ser Gly Ala Leu Ile Pro
 242 20 25 30
 244 Ala Ile Tyr Met Leu Val Phe Leu Leu Gly Thr Thr Gly Asn Gly Leu
 245 35 40 45
 247 Val Leu Trp Thr Val Phe Arg Ser Ser Arg Glu Lys Arg Arg Ser Ala
 248 50 55 60
 250 Asp Ile Phe Ile Ala Ser Leu Ala Val Ala Asp Leu Thr Phe Val Val
 251 65 70 75 80
 253 Thr Leu Pro Leu Trp Ala Thr Tyr Thr Tyr Arg Asp Tyr Asp Trp Pro
 254 85 90 95
 256 Phe Gly Thr Phe Phe Cys Lys Leu Ser Ser Tyr Leu Ile Phe Val Asn
 257 100 105 110
 259 Met Tyr Ala Ser Val Phe Cys Leu Thr Gly Leu Ser Phe Asp Arg Tyr
 260 115 120 125
 262 Leu Ala Ile Val Arg Pro Val Ala Asn Ala Arg Leu Arg Leu Arg Val
 263 130 135 140
 265 Ser Gly Ala Val Ala Thr Ala Val Leu Trp Val Leu Ala Ala Leu Leu
 266 145 150 155 160
 268 Ala Met Pro Val Met Val Leu Arg Thr Thr Gly Asp Leu Glu Asn Thr
 269 165 170 175
 271 Thr Lys Val Gln Cys Tyr Met Asp Tyr Ser Met Val Ala Thr Val Ser
 272 180 185 190
 274 Ser Glu Trp Ala Trp Glu Val Gly Leu Gly Val Ser Ser Thr Thr Val
 275 195 200 205
 277 Gly Phe Val Val Pro Phe Thr Ile Met Leu Thr Cys Tyr Phe Phe Ile
 278 210 215 220
 280 Ala Gln Thr Ile Ala Gly His Phe Arg Lys Glu Arg Ile Glu Gly Leu

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281 225 230 235 240
283 Arg Lys Arg Arg Arg Leu Leu Ser Ile Ile Val Val Leu Val Val Thr
284 245 250 255
286 Phe Ala Leu Cys Trp Met Pro Tyr His Leu Val Lys Thr Leu Tyr Met
287 260 265 270
289 Leu Gly Ser Leu Leu His Trp Pro Cys Asp Phe Asp Leu Phe Leu Met
290 275 280 285
292 Asn Ile Phe Pro Tyr Cys Thr Cys Ile Ser Tyr Val Asn Ser Cys Leu
293 290 295 300
295 Asn Pro Phe Leu Tyr Ala Phe Phe Asp Pro Arg Phe Arg Gln Ala Cys
296 305 310 315 320
298 Thr Ser Met Leu Cys Cys Gly Gln Ser Arg Cys Ala Gly Thr Ser His
299 325 330 335
301 Ser Ser Ser Gly Glu Lys Ser Ala Ser Tyr Ser Ser Gly His Ser Gln
302 340 345 350
304 Gly Pro Gly Pro Asn Met Gly Lys Gly Gly Glu Gln Met His Glu Lys
305 355 360 365
307 Ser Ile Pro Tyr Ser Gln Glu Thr Leu Val Val Asp
308 370 375 380
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312 <211> LENGTH: 14
313 <212> TYPE: PRT
314 <213> ORGANISM: Rana sp.
316 <400> SEQUENCE: 18
317 Arg Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro Phe
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322 <211> LENGTH: 14
323 <212> TYPE: PRT
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326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
328 consensus sequence
330 <400> SEQUENCE: 19
331 Arg Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro Phe
332 1 5 10
335 <210> SEQ ID NO: 20
336 <211> LENGTH: 4
337 <212> TYPE: PRT
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342 peptide
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345 Lys Lys Lys Arg
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349 <210> SEQ ID NO: 21
350 <211> LENGTH: 4
351 <212> TYPE: PRT

VERIFICATION SUMMARY

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